

**INTERNATIONAL SEARCH REPORT**

International Application No PCT/EP 03/11851
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 F01D9/02 F01D25/24 F01D11/00
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According to International Patent Classification (IPC) or to both national classification and IPC.

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F01D F16J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/06637 A (ALLIEDSIGNAL TURBO SA ;DECHANET ERIC (FR); FIGURA GIORGIO (FR); JE) 24 January 2002 (2002-01-24) cited in the application page 4, line 13 – line 25 figures 1,2 ----	1-3, 12-17,19
X	JP 55 037508 A (ISHIKAWAJIMA HARIMA HEAVY IND CO LTD) 15 March 1980 (1980-03-15) figures	1,4,12, 15,17-19
A	& PATENT ABSTRACTS OF JAPAN & JP 55 037508 A (ISHIKAWAJIMA HARIMA HEAVY IND), 15 March 1980 (1980-03-15) abstract ----	5,11,13 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

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- \*E\* earlier document but published on or after the International filing date
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- \*P\* document published prior to the International filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

2 July 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 850 797 A (BENSON STEVEN R) 25 July 1989 (1989-07-25) column 5, line 44 - line 56 figures 4,5 -----	1
A	US 4 209 177 A (HALL JOHN F) 24 June 1980 (1980-06-24)  column 2, line 17 -column 3, line 3 abstract; figures 1,2 -----	5-7, 9  1-3,5-7, 9,12-14, 16,17
A	US 4 503 680 A (WOOD TERRY G) 12 March 1985 (1985-03-12) column 2, line 4 - line 43 abstract; figures -----	1,4-7,9, 12,15

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No PCT/EP 03/11851	
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 0206637	A	24-01-2002	WO 0206637 A1 AU 6577400 A BR 0017293 A CA 2416331 A1 EP 1303683 A1 HU 0301321 A2 JP 2004505190 T		24-01-2002 30-01-2002 29-07-2003 24-01-2002 23-04-2003 28-08-2003 19-02-2004
JP 55037508	A	15-03-1980	NONE		
US 4850797	A	25-07-1989	NONE		
US 4209177	A	24-06-1980	CA 1164907 A1		03-04-1984
US 4503680	A	12-03-1985	CA 1195252 A1		15-10-1985